

CLAIMS

1. A working mechanism for a construction machine having
a first boom mounted on a vehicle body of a construction
machine as to be rotatable to the upper and lower sides; a
5 second boom mounted on a distal end of said first boom as to
be swingable to the left and right sides; a third boom mounted
on a distal end of said second boom as to be swingable to the
left and right sides; and an arm mounted on said third boom as
to be rotatable to the upper and lower sides and a working
10 tool is mounted on the distal end thereof, characterized in
that said working mechanism for a construction machine
comprises:

a parallel support member formed by a pair of links,
which are connected between said first boom and said third
15 boom and which are respectively arranged at left and right
positions, is provided on said second boom, and said third
boom is so supported by said parallel support member as to be
parallel to said first boom.

20 2. A working mechanism for a construction machine as
defined in claim 1, wherein each of said links that constitute
said parallel support member is composed that a base end is
rotatably connected to said first boom by use of one joint pin

and a distal end is rotatably connected to said third boom by
use of another joint pin, and a pin hole that said one joint
pin is inserted is formed in said base end of said link, while
a pin hole that said another joint pin is inserted is formed
5 in said distal end of said link, and one of said two pin holes
is formed as a pin movable hole that said joint pin is
inserted movably in the longitudinal direction of said link.

3. A working mechanism for a construction machine as
10 defined in claim 1, wherein each of said links that constitute
said parallel support member is composed that a base end is
rotatably connected to said first boom by use of one joint pin
and a distal end is rotatably connected to said third boom by
use of another joint pin, a pin hole that said joint pin is
15 inserted is formed in said first boom, while a pin hole that
said another joint pin is inserted is formed in said third
boom, and one of said two pin holes is formed as a pin movable
hole that said joint pin is inserted movably in the
longitudinal direction of said link.

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4. A working mechanism for a construction machine as
defined in claim 2 or 3, wherein said pin movable hole is
formed as a long hole extended in the longitudinal direction

of said link.

5. A working mechanism for a construction machine as defined in claim 2 or 3, wherein said pin movable hole is
5 formed as a large-diameter hole having a diameter larger than the outer diameter of said joint pin.

6. A working mechanism for a construction machine as defined in claim 1, wherein said links that constitute said
10 parallel support member are formed by rod members.

7. A working mechanism for a construction machine as defined in claim 1, wherein said links that constitute said parallel support member are members, located between said
15 first boom and said third boom, that receive a force in a pulling direction and that are flexible for accepting a force in the compression direction.

8. A working mechanism for a construction machine as
20 defined in claim 7, wherein flexible members that form said links are chains or wire cables.